

PATENT ABSTRACTS OF JAPAN

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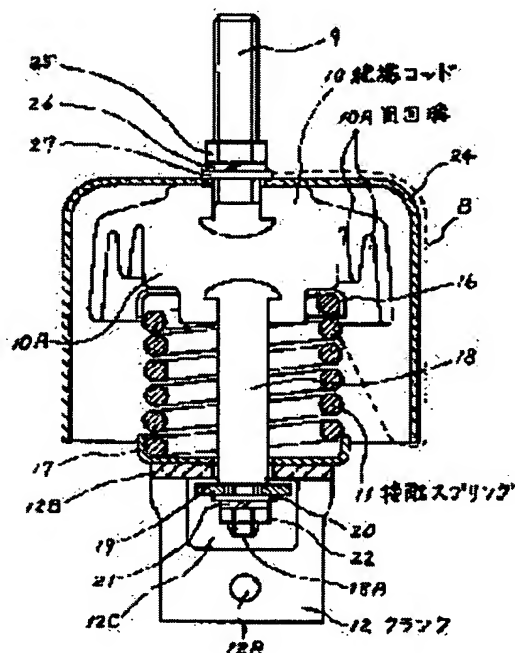
(22)Date of filing : 21.11.1995 (72)Inventor : KITSUNAI MASAMITSU
AKITA OSAMU

(54) VACUUM CIRCUIT-BREAKER

(57)Abstract:

PROBLEM TO BE SOLVED: To eliminate the necessity of increasing the axial length of an insulating rod even in the case where the insulating degree of a device is raised by providing an insulating cover for covering a contact spring, which always pushes the insulating rod to a movable shaft side, in the contact spring.

SOLUTION: An insulating cover 24 for covering a contact spring 11 is formed into a bell-shape and an opening thereof is arranged in a lower side. A bottom part of the cover 24 is arranged over an insulating rod 10, and while screwed to a rod 9 by a nut 25 through a washer 27 and a spring washer 26 passing through the metal rod 9. At the time of dielectric breakdown of the rod 10, a flash-over path is formed into a long detour around the edge of the opening part of the cover 24 like a discharging passage B by providing the cover 24. Consequently, the discharging passage B is formed long, and the insulating proof stress is improved. Namely, even in the case where the insulating degree of a device is raised, axial length of the cover 24 is increased, but the increase of the axial length of the rod 10 is unnecessary, and the increase of the height of the whole of the device is unnecessary.



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